Notice No.2

Rules and Regulations for the Classification of Offshore Units July 2018

The status of this Rule set is amended as shown and is now to be read in conjunction with this and prior Notices. Any corrigenda included in the Notice are effective immediately.

Please note that corrigenda amends to paragraphs, Tables and Figures are not shown in their entirety.

Issue date: June 2019

Amendments to	Effective date	IACS/IMO implementation (if applicable)
Part 1, Chapter 2, Sections 2 & 3	1 July 2019	N/A
Part 1, Chapter 3, Section 23	1 July 2019	N/A
Part 3, Chapter 6, Sections 1, 2, 3, 4 & 8	1 July 2019	N/A
Part 4, Chapter 2, Section 3	1 July 2019	N/A
Part 5, Chapter 16, Section 1	1 July 2019	N/A
Part 8, Chapter 2, Sections 1 & 3	Corrigenda	N/A
Part 11, Chapter 4, Section 5	1 July 2019	N/A
Part 11, Chapter 16, Section 4	Corrigendum	N/A

Lloyd's Register

Part 1, Chapter 2
Classification Regulations

■ *Section 2*
Definitions, character of classification and class notations

2.9 Descriptive Notes/Supplementary Character

2.9.4 **ShipRight()**. Where LR’s ~~ShipRight procedures~~ *ShipRight Procedures* for the following have been applied on a voluntary basis to surface type units, a descriptive note showing the associated characters of the Procedure(s) within brackets will, at the Owner’s request, be entered on the Class Direct website, preceded by the word **ShipRight** e.g. **ShipRight(ES, SERS),** ~~see also~~ *see also* ShipRight Procedures Overview and *Pt 1, Ch 2 Classification Regulations* of the ~~Rules for Ships~~ *Rules and Regulations for the Classification of Ships, July 2018, incorporating Notice No. 1, 2, 3, 4 & 5*:

ES	Enhanced Scantlings
SEA (HSS-n)	Ship Event Analysis (Hull Surveillance Systems)
SERS	Ship Emergency Response Service
SCM	Screwshaft Condition Monitoring
MPMS	Machinery Planned Maintenance Scheme
MPMS(~~M~~CM)	~~Machinery~~ Condition Monitoring
~~**MCBM**~~	~~Machinery Condition Based Maintenance~~
~~**MPMS**~~	~~Machinery Planned Maintenance Scheme~~
MPMS(PT)	Predictive Techniques
MPMS(RBM)	Risk Based Maintenance
MPMS(RCM)	Reliability Centred Maintenance
BWMP	Ballast Water Management Plan
ThCM	Thruster Condition Monitoring

A table summarising the descriptive notes given in this part of the Rules and other notes listed elsewhere in the Rules can be found in *Pt 1, Ch 3, 23.2 Descriptive Notes*.

■ *Section 3*
Surveys - General

3.13 Ownership details

3.13.1 ~~It is the responsibility of the Owner to inform a member of the LR Group in writing of any change to its contact details and in the event of a ship sale to supply details of the new Owners. If the new Owner of a ship cannot be properly identified and the contact details established then the class of that ship will be specially considered by the Classification Committee. It is the responsibility of the new Owner to inform a member of the LR Group in writing of their contact details and that they are now responsible for the ship, if they fail to do so then the class of that ship will be specifically considered by the Classification Committee.~~ The Owner will ensure a member of the LR Group - Marine and Offshore division is promptly informed in writing of any change to their contact details and, in the event of a vessel/asset transfer or sale, is to supply details of the new Owner in writing. The new Owner is to promptly inform a member of the LR Group - Marine and Offshore division in writing of their contact details. If the new Owner fails to do so and if LR cannot verify the ownership record, then the class of that vessel/asset will be specially considered by the Classification Committee.

Part 1, Chapter 3
Periodical Survey Regulations

■ *Section 23*
Notations and Descriptive Notes

(*Part only shown*)

23.2 Descriptive Notes

Descriptive qualification notes may be agreed indicating the type of unit in greater detail than is contained in the class notation, and/or providing additional information about the design and construction.

Descriptive Notes:		
Description	**Information**	**Further information**
SCM	Screwshaft Condition Monitoring	ShipRight Procedures *Pt 1, Ch 3, 12.4 Survey extensions*
MPMS	Machinery Planned Maintenance Scheme	ShipRight Procedures
MPMS (~~M~~CM)	~~Machinery~~ Condition Monitoring	ShipRight Procedures
~~**MCBM**~~	~~Machinery Condition Based Maintenance~~	~~ShipRight Procedures~~
MPMS (PT)	Predictive Techniques	ShipRight Procedures
MPMS (RBM)	Risk Based Maintenance	ShipRight Procedures
~~**MPMS**~~	~~Machinery Planned Maintenance Scheme~~	~~ShipRight Procedures~~
MPMS (RCM)	Reliability Centred Maintenance	ShipRight Procedures

Part 3, Chapter 6
Units for Transit and Operation in Ice

■ *Section 1*
Scope

1.1 General

(Part only shown)

Table 6.1.1 Ice and cold operations

Reference		Conditions	Description	Notation
Cold Operations				
~~Provisional~~ Rules for the Winterisation of Ships, July 2019	Section 1	Application		
	Section 2 Hull materials	Low temperature operations	Hull construction materials	**Winterisation H(*t*)**
	Section 3 Equipment and systems	Low temperature operations	Short duration	**Winterisation C(*t*)**
			Seasonal duration	**Winterisation B(*t*)**
			Prolonged duration	**Winterisation A(*t*)**

■ *Section 2*
Ice Environment

2.3 Application

2.3.3 Operation in the region between 7/10 and 1/10 in the ice-covered regions is possible with due care for units with no ice class. For units operating for extended periods in these areas, it will be necessary to specify and design for a minimum temperature for the hull materials. To cover all situations for non-ice class units, the material requirements of ~~*The Provisional Rules for the Winterisation of Ships*~~ the *Rules for the Winterisation of Ships, July 2019*, are recommended.

■ *Section 3*
Air Environment

3.1 Air temperature

3.1.1 For units intended to operate in cold regions, the temperature on exposed surfaces is to be considered. *See ~~The Provisional Rules for the Winterisation of Ships~~* the *Rules for the Winterisation of Ships, July 2019*.

■ *Section 4*
Icing Environment

4.1 Ice accretion

4.1.1 For units intended to operate in cold regions, the build-up of ice on exposed surfaces is to be considered. *See ~~The Provisional Rules for the Winterisation of Ships~~* the *Rules for the Winterisation of Ships, July 2019*.

■ *Section 8*
Ice accretion and low temperatures

8.1 General requirements

8.1.1 For units intended to operate in cold regions, the build-up of ice on exposed surfaces is to be considered. *See ~~The Provisional Rules for the Winterisation of Ships~~* the *Rules for the Winterisation of Ships, July 2019*.

Part 4, Chapter 2
Materials

■ *Section 3*
Design temperature

3.1 General

3.1.5 The design temperature for internal structure of all units is to be separately defined, *see* ~~Lloyd's Register's~~ ~~*Provisional Rules for the Winterisation of Ships*~~ the *Rules for the Winterisation of Ships, July 2019*.

Part 5, Chapter 16
Gas and Crude Oil Burning Systems

■ *Section 1*
General Requirements

1.1 General

1.1.6 The relevant requirements of Rules and Regulations for the Classification of Ships using Gases or other Low-flashpoint Fuels are to be complied with as applicable.

Part 8, Chapter 2
Cathodic Protection Systems

■ *Section 1*
General requirements

1.2 Electrical continuity

1.2.3 Particular attention to earthing and bonding is required in hazardous areas where flammable gases or vapours may be present, *see Pt 7 Safety Systems, Hazardous Areas and Fire*.

No cathodic protection is to be provided for metallic parts in Zone 0 unless it is specially designed for this application. *See* IEC 61892-7 Section ~~5.6.6~~ 6.7.

■ *Section 3*
Impressed current anode systems

3.1 General

3.1.2 The design and installation of electrical equipment and cables is to be in accordance with the requirements of *Pt 6, Ch 2 Electrical Engineering*.

The insulating elements required for the cathodic protection, for example, insulating elements in pipes and tracks, should if possible be located outside the hazardous area. *See* IEC 61892-7 Section ~~5.6.6~~ 6.7.

Part 11, Chapter 4
Cargo Containment

■ *Section 5*
Materials and Construction

5.1 Materials

(Part only shown)

5.1.2 Materials forming the structure of the ship unit

(f) The means of heating referred to in *Pt 11, Ch 4, 5.1 Materials 5.1.2.*~~(f)~~*(e)* shall comply with the following requirements:

  (i) the heating system shall be arranged so that, ~~in the event of failure in any part of the system,~~ in the case of a single failure of a mechanical or electrical component in any part of the system, standby heating can be maintained equal to not less than 100 per cent of the theoretical heat requirement;

  (ii) the heating system shall be considered as an essential auxiliary.~~ All electrical components of at least one of the systems provided in accordance with (e)(i) shall be supplied from the essential source of electrical power; and~~ Where the requirements specified by *Pt 11, Ch 4, 5.1 Materials 5.1.2 (f) (i)* are met by duplication of the system components, i.e. heaters, glycol circulation pumps, electrical control panel, auxiliary boilers etc., all electrical components of at least one of the systems are to be supplied from the emergency switchboard;

  (iii) where duplication of the primary source of heat, e.g. oil-fired boiler, is not feasible, alternative proposals such as an electric heater capable of providing 100 per cent of the theoretical heat requirement is to be provided, which is to be supplied by an independent circuit, arranged separately on the emergency switchboard. Other solutions may be considered acceptable towards satisfying the requirements specified in *Pt 11, Ch 4, 5.1 Materials 5.1.2 (f) (i)* provided that a suitable risk assessment is conducted to the satisfaction of the Administration. The requirement in paragraph *Pt 11, Ch 4, 5.1 Materials 5.1.2 (f) (ii)* continues to apply to all other electrical components in the system; and

  ~~(iii)~~ (iv) the design and construction of the heating system shall be included in the approval of the containment system by LR. Details of the proposed heating system are to be submitted.

Part 11, Chapter 16
Use of Cargo as Fuel

■ *Section 4*
Gas ~~consummers~~ consumers

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